

FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Shielded cables and I/O cords must be used for this equipment to comply with the relevant FCC regulations.

Changes or modifications not expressly approved in writing by AKG Acoustics may void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Introduction

Thank you for selecting the WMS 61 wireless microphone system from AKG. Please take the time to read through this Manual. It contains information on how to make optimum use of your equipment. Have fun!

2. Precautions

- 2.1. Spill no liquids on the equipment and do not drop any objects through the ventilation slots in the equipment.
- 2.2. Do not place the equipment near heat sources such as radiators, heating ducts, or amplifiers, etc. and do not expose it to direct sunlight, excessive dust, moisture, rain, mechanical vibrations, or shock.
- 2.3. Be sure to dispose of used batteries as required by local waste disposal rules. Never throw batteries into a fire (risk of explosion).

The WMS 61 Systems

Two different WMS 61 Systems are available:

3.1. Handheld System

1 SR 61 Receiver

- 2 receiving antennas
- 1 AC power adapter for 11.7 VAC
- 1 RMU 61 19" rack mounting kit for 2 SR 61 receivers
- 1 BP 61 blank panel
- 1 screwdriver

1 HT 61 Handheld Transmitter

- 2 AA size 1.5 V dry batteries
- 1 SA 43 stand adapter
- 1 adjustable protective ring for controls

3.2. Bodypack System

1 SR 61 Receiver

- 2 receiving antennas
- 1 AC power adapter for 11.7 VAC
- 1 RMU 61 19" rack mounting kit for 2 SR 61 receivers
- 1 BP 61 blank panel
- 1 screwdriver

1 PT 61 Bodypack Transmitter

- 1 belt clip

2 AA size 1.5 V dry batteries

Check that the package contains all the parts listed above for your system. If anything is missing, please contact your AKG dealer.

3.3. Optional Accessories

PS 61 power splitter for remote antennas

RA 61 remote antenna

PSU 61/81 central power supply unit for multichannel systems

CH 61/81 plastic carrying case for one complete WMS 61 system.

Color Coding Kit: Set of rings (for the HT 61) and platelets (for SR 61 and PT 61) in various colors for identifying the individual channels of a multichannel system.

4. SR 61 Receiver

The SR 61 is a stationary True Microcontrolled Diversity receiver for use with WMS 61 transmitters. The SR 61 operates in a sub-band up to 4 MHz wide of the 138 MHz to 250 MHz VHF carrier frequency range. The SR 61 can be switched to a maximum of 15 different carrier frequencies depending on local frequency allocations.

4.1. Controls

4.1.1. Front Panel

The lettering of the front panel controls is protected against scratching by a protective film. To remove the film, just peel it off.

1a **POWER:** Switches the power to the SR 61 ON and OFF.

1b **VOLUME:** The VOLUME pot matches the SR 61's output level to the input sensitivity of your mixer or amplifier.

1c **SQUELCH:** The automatic squelch circuit mutes the receiver if the received signal is too weak or the transmitter switched off, effectively suppressing the audible noise caused by an excessive drop in received signal strength. The squelch circuit is controlled by a pilot frequency in the transmitter signal and therefore needs no user-adjustable control.

1d **CHANNEL:** This rotary switch selects the desired carrier frequency or its alternative frequencies.

1e **BATTERY HI, MID, LO:** These three LEDs indicate the current status of the transmitter batteries (dry batteries only):

HI (green) lighting constantly indicates the batteries will last for